

(43) International Publication Date 7 April 2005 (07.04.2005)

PCT

## (10) International Publication Number WO 2005/031603 A1

(51) International Patent Classification7:

G06F 17/30

(21) International Application Number:

PCT/GB2004/004040

(22) International Filing Date:

22 September 2004 (22.09.2004)

(25) Filing Language:

**English** 

(26) Publication Language:

English

(30) Priority Data:

0322653.7

26 September 2003 (26.09.2003) GB

0322654.5 26 September 2003 (26.09.2003)

- (71) Applicant (for all designated States except US): BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY [GB/GB]; 81 Newgate Street, London, Greater London EC1A 7AJ (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): CUI, Zhan [CN/GB];

7 Squirrels Field, Mile End, Colchester, Essex CO4 5YA (GB).

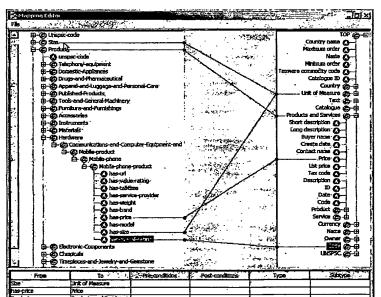
- (74) Agent: LIDBETTER, Timothy, Guy, Edwin; BT Group Legal, intellectual Property Department, PP: C5A, BT Centre, 81 Newgate Street, London, Greater London EC1A 7AJ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PROCESSING ELECTRONIC DATA

Samapping Edito				
File	4.80			V. 4
III-Cch Uns	osz-code		A THE PARTY OF	TOP (6)-E
F 60 52±	<u> </u>	<b></b> à.	35.8.3859	Country name A -
E B-¢ã Pro	dukik		- 7	Maximum order
-0	unspec code	1		Name O
i bi-@5	Telephorny economical			Minimum order 🙆:
	Domestic-Appliances		Tex	ware commodity code 🙆 🚽
I i 6a-65)	Drugs-and-Phermacoutical	i 🦖	· ·	Catalogue ID 🙆
P	Apparet and Luggage and Personal Car	e t :1	*	Country 👸 🖨
B- <b>⊘</b>	Published-Products	L - 1/20		Link of Measure 🚓 🖽
l : 18-46)	Tools and General Machinery			Text db-B
I - 165	Purnitura-end-Purnishings	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	X.I	Catalogue 💍 🛱
	Accessories	4.40	· / / /	Products and Services 👸 🤞 🧃
⊕-Ø Instruments			7 1	Short description (2)
# - O Meterials		- 1 Professional	: / l	Cong description (2)
	Hardware	The state of the s	micros lo	Butyer name (O-
F.     6	. G-@ Communications-and-Computer-Equipment-and		Z. Z.	Crests date ()
	i G-@ Mobile-product		777	Contact name (O-
<b>*</b>   + 1	. E ⊘ Mobile-phone			Price Q-
	A C Mabile phone product	200		List price (2)
	- O has-url			Tax code 💁
	has value rating			Description 🕢 —
	- O has talkime		/ · · · · · · · · · · ·	_PO-
	has service provide	# 15 The		Date (C)
	- O has viciult			Code (2)
	— <b>⊘</b> has-band	1		Product 🙆 🖽
O has price				Service (2) de
- O has-model		Land Section	1000	Ourrency 🚱 🛈
	has size			Nacra 🚓 🖽
11 11 -	- A properties		- Fee	Owner (G-1)
F-1 B-65	Electronic-Components	" take " a " a	2 Ten 18-312	
	Chespicals	2		UNSPSC 👸 🕁
F 9	Timepleces and Jewelry and Genstone		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
From	To Price	onditions Post-con	dittoria Type	Sittype
Size	Unit of Measure		· · · · · · · · · · · · · · · · · · ·	
has-price	Price			1
Product	Products and Services			
tran-step	Link of Measure			
has-overal-rating	Code			
		्राच्या वर्षे स्टब्स्		. with the Party of the
1	and the second	441472 2		
<del></del>				

(57) Abstract: A tool providing a graphical user interface with underlying intelligence to assist a user in creating mappings between ontologies or between ontologies and database schema. For each individual mapping which a user makes the tool checks that the proposed mapping is consistent with all other proposed mappings made by the user thus far and alerts the user if an inconsistency is detected.



## WO 2005/031603 A1



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

## Published:

with international search report